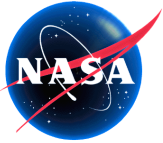


ESTO Technology Infusion Plan

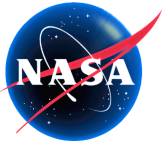
Presented to:
Earth Science Technology Enterprise
Technology Strategy Team
February 26, 2003

Kurt R. Smith
ESTO



Technology Infusion Plan

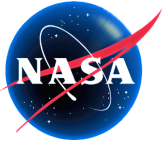
- Purpose of Plan
- Plan Structure
- Current Plans for Update and Distribution
- Future Plans
- Issues and Concerns
- Discussion by TST Membership



Purpose of Technology Infusion Plan

- **Purpose**

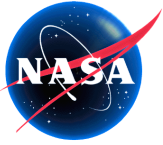
- Plan Documents the Technology Infusion Strategy for the Earth Science Enterprise (ESE).
- Based on ESTO's Integrated Technology Development Plan (ITDP).
 - ITDP describes the Earth Science Technology Program along with fiscal budget allocations.
- Describes the Strategy used by ESTO to Infuse New Technologies into the User Community to Enable the Development of Future ESE Missions.
- Purpose is to Enable Technology Development Planning Cycles.
 - In conjunction with approved flight measurement profiles.
- Provides input into the development of candidate flight measurements profiles.
 - Through HOWI-7120-Y003, *Formulate and Approve Flight Missions*.
- Prepared by ESTO, with Input from other Technology Strategy Team Members, for Office of Earth Science Lead Technologist Approval.



Structure of Technology Infusion Plan

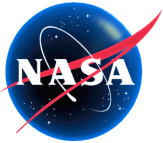
- **Current Structure of Technology Infusion Plan**
 - Background
 - Scope
 - Purpose
 - Infusion Strategy
 - Appendix A: ESTO Technology Infusion Opportunities
 - Appendix B: Acronyms

- **Proposed Additions to Plan Structure**
 - **Executive Summary**
 - Background
 - Scope
 - Purpose
 - Infusion Strategy
 - **Infusion Statistics (Updated Annually)**
 - Appendix A: ESTO Technology Infusion Opportunities
 - Appendix B: Acronyms



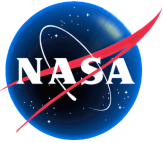
Current Plans for Update and Distribution of Technology Infusion Plan

- **Present Update and Distribution Process**
 - To be Updated by ESTO Annually in December/February.
 - Reviewed by Technology Strategy Team Membership in March/April.
 - Final Comments Incorporated for the Spring TST Meeting.
 - Formal Approval by ESE Chief Technologist during April/May.
 - Distribution in Hard Copy (Bound Booklet) and Digital Media (DVD) at annual Earth Science Technology Conference (ESTC) held in June.



Future Plans for Technology Infusion Opportunities

- **Proposed Linkages to Earth Science Technology Integrated Planning System (ESTIPS)**
 - ESTO will Provide Data and Linkages to ESTIPS to Reflect the Contents of Appendix A of the Technology Infusion Plan.
 - Data will Include all Available and Future Planned Infusion Opportunities.
 - Linkages will be defined between the Technology Infusion Opportunities and Related ESE Science and Technology Requirements.
 - Purpose will be to Provide Users Electronic Remote Access to both Current and Planned Technology Infusion Opportunities.
 - Technology Infusion Plan Will be Updated to Reflect the Availability of the Infusion Opportunities via the World Wide Web.



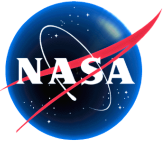
Issues

- **How Do We Envision that the Technology Infusion Plan will be Used?**
 - Used by PI's & Technologists in Preparing their Bids?
 - Used by Science/Technology/Flight Projects Community?
- **Does Plan Properly Target “Likely Users”?**
 - Who are these “Likely Users”?
 - What Are Their Needs?
- **Does Current Plan Output (I.e., Booklet & DVD) Lend Itself to Use by the Target Audience?**
- **How Can Plan be Modified to Provide Better Information to Users?**

< OR >

- **Should We Throw the Whole Thing Out?**
 - What Alternative Mechanisms Exist to Convey Infusion Opportunities?

ESTO



Technology Infusion Plan

Discussion by TST